MA 30 C(85)-1

CURRENT INDUSTRIAL REPORTS

Rubber Mechanical Goods

1985

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BUREAU OF THE CENSUS

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SUMMARY OF FINDINGS

The total value of shipments of molded rubber mechanical goods was $2,041.6 million in 1985, an increase of 7.5 percent compared to the 1984 figure of $1,898.5 million, as reported in the annual survey of manufactures. Extruded and lathe cut rubber mechanical goods increased 6.6 percent in 1985 to $678.8 million from the 1984 total of $636.6 million.

The value of shipments of extruded, molded and lathe cut rubber automotive mechanical goods (excluding automotive tubing) increased 51.2 percent to $1,695.9 million in 1985 from the 1982 Census of Manufactures figure of $1,121.4 million. Extruded rubber tubing showed a decrease of 4.0 percent in 1985 to $91.8 million from the 1982 level of $95.6 million.

Shipments of molded and extruded rubber appliances had a dollar value of $108.2 million, a 10.1-percent decrease from the 1982 figure of $120.9 million. Value of shipments of oil and gas machinery and equipment rubber products totaled $85.7 million, a 39.1-percent decrease from the 1982 total of $140.7 million.

This is the first annual survey in the Current Industrial Reports Series on manufacturers' shipments of molded, extruded and lathe cut rubber mechanical goods. The statistics on this publication are based on a survey of all known manufactures of molded, extruded and lathe cut rubber mechanical goods, and represent total U.S. shipments of these products. A complete description of the survey methodology and related information appears on page 3.

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Table 1. VALUE OF SHIPMENTS OF MOLDED, EXTRUDED, AND LATHE CUT RUBBER MECHANICAL GOODS: 1977 TO 1985

(Millions of dollars)

Year	Molded	Extruded and lathe cut
1985	2,041.6	678.8
1984[1]	1,898.5	636.6
1983[1]	1,725.5	513.3
1982[2]	1,571.2	455.0
1981[1]	1,809.8	402.2
1980[1]	1,551.8	384.2
1979[1]	1,651.9	395.0
1978[1]	1,444.2	310.0
1977[2]	1,305.9	259.9

[1]Source: Annual Survey of Manufactures.
[2]Source: Census of Manufactures.

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Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Deborah Clemens, (301) 763-7807.
For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

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Table 2. QUANTITY AND VALUE OF SHIPMENTS OF MOLDED, EXTRUDED, AND LATHE CUT RUBBER MECHANICAL GOODS: 1985 AND 1982

(Quantity in millions of pounds; value in millions of dollars)

Product code	Product description	1985		1982[1]	
		Quantity	Value	Quantity	Value[2]
	Molded, extruded, and lathe cut mechanical rubber goods	(X)	2,741.7	(X)	2,046.6
3069A --	Molded rubber mechanical goods	(X)	2,041.6	(X)	1,577.5
3069A 11	Automotive	[b]773.5	1,043.7	(S)	577.3
3069A 12	Transportation, other than automotive (including recreational vehicles and equipment)	(S)	88.2	(S)	229.1
3069A 13	Appliances, household, and commercial (gas and electric)	[b]46.6	146.8	(S)	75.6
3069A 14	Oil and gas field machinery and equipment	(S)	85.7	(S)	140.4
3069A 15	Off highway machinery and equipment (including construction, farm, mining, lawn and garden, but not including tires)	(S)	182.9	(S)	138.7
3069A 16	Other molded goods	(S)	494.3	(S)	416.3
3069B --	Extruded and lathe cut mechanical rubber goods	(X)	678.8	(X)	453.2
	Extrusions	(X)	625.8	(X)	394.6
3069B 11	Automotive, except tubing	[b]207.8	363.2	(S)	152.8
3069B 12	Appliances, household, and commercial (gas and electric)	53.4	62.1	[a]20.8	45.3
	Tubing (not reinforced, including mandrel formed)	(X)	91.8	(X)	95.6
3069B 13	Automotive	[a]40.3	54.7	[a]46.2	67.1
3069B 14	Other (including medical and surgical)	[b]27.0	37.1	(S)	28.5
3069B 19	Other extrusions (including small rolls for copy machines, typewriters, etc.)	[b]55.9	108.7	(S)	100.9
	Lathe cut	(X)	53.0	(X)	58.4
3069B 21	Automotive (transportation, including on and off the road; gasoline and diesel equipment)	(S)	[a]17.9	(S)	22.5
3069B 29	Other	(S)	35.1	[a]666.7	35.9
30690 --	Molded, extruded, and lathe cut mechanical rubber goods, n.s.k.	(X)	21.3	(X)	15.9

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): [a]20 to 29 percent of this item is estimated. [b]30 to 50 percent of this item is estimated.

N.s.k. Not specified by kind. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1] Source: 1982 Census of Manufactures.
[2] Detail may not add to total due to independent rounding.

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers all manufacturers of molded, extruded, and lathe cut rubber mechanical goods in the United States.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census annual Form MA30C, Rubber Mechanical Goods. The survey panel includes all known producers of rubber mechanical goods, approxmately 300 establishments.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey; (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which fail logic edits. Missing figures are imputed based on yearly movements shown by reporting firms. Imputation generally is limited to a maximum of 20 percent for any one data cell. Figures with imputation rates greater than 20 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 20 percent should be used with caution.

Revisions to Previous Period Data. Statistics for previous years may be revised as the result of corrected data from respondents, late reports for which imputations were made as described above, or other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Adjustment for Price Change. All dollar figures included in this publication are in current dollars; i.e., they have not been adjusted for price change.

EXPLANATION OF TERMS

Quantity and Value of Shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and returns. Shipments to a company's own branches are assigned the same value as comparable sales to unaffiliated customers; i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Rubber. Includes products made from natural, synthetic, or reclaimed rubber.

HISTORICAL NOTE

Data on mechanical rubber goods were collected in the Current Industrial Reports Series for the first time in 1985. Historical data may be obtained from the census of manufactures and annual survey of manufactures available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 881-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
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Subject Area	Contact	Phone Number
Current Industrial Report MA30C	Deborah Clemens	(301) 763-7807
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To order a Census Bureau publication	Customer Services (DUSD)	(301) 763-4100
International Trade Administration	Dave Blank	(202) 377-0128

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